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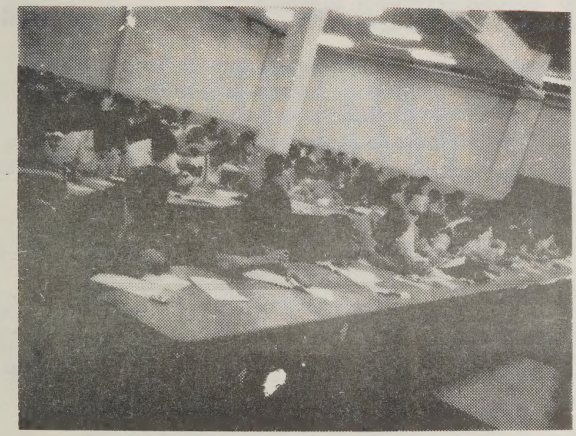
W4DW

AFFILIATE

"RALEIGH AMATEUR RADIO SOCIETY NEWS"

MAY 1978 ISSUE 103



Bob Workman, WA4ZZN, took the photograph during the RARS hamfest when an FCC team examined 308 applicants.

"What is the difference between hams and CB'ers?"

This is a Federal Communications Commission examination room. These applicants are struggling with the written part of an FCC exam that will give them the privilege of operating on the amateur radio bands.

If they pass the exam.

Not everyone passes.

HAMFEST '78 GOOD ONE

RARS Hamfest 1978 is over and it was a good one.

Those club members who did not take a strong, active part in the planning or the execution of the hamfest should be very proud of those hard-working members who did. They should also be grateful.

A hamfest is an event which identifies a successful amateur radio club. Hamfests do not just happen. They must be patiently planned. Hundreds of details must be worked out. Many hours of head-

PUBLISHED MONTHLY BY THE RALEIGH AMATEUR RADIO SOCIETY, INC., P.O. BOX 17124, RALEIGH, NORTH CAROLINA 27609 ■ MATERIAL CONTAINED HEREIN MAY BE REPRINTED WITHOUT PRIOR PERMISSION WITH CREDIT GIVEN THIS PUBLICATION ■ TECHNICAL EDITOR - JACK KENNEY, WB4MCU ■ EC, WAKE CO. - BERT BAILEY, W4FMN ■ OFFICERS: PRESIDENT - CHUCK LITTLEWOOD, K4HF; VICE PRESIDENT - LYNN PENDLETON, K4NYV; SECRETARY - JIM PEELER, WA4YOM; TREASURER - RALPH RIGDON, WB4SDU ■ PRINTED BY QUIKCOPY, RALEIGH, NORTH CAROLINA 27608

work, footwork, and handwork go into the planning and into the event on the big day.

If you did not do as much work for the 1978 hamfest as you thought you should, you should make a resolution now to turn in a sterling performance for the 1979 hamfest.

You should also in your heart say a sincere 'thank you' to the members whose dedication made the 1978 hamfest an enjoyable and successful even for you and for our visitors.

HAMFEST 1978
OBSERVATIONS AND MEMORIES

Raleigh Amateur Radio Society Hamfest 1978 was a successful event and the club should be proud of it.

Each person there will remember it in a different way.

One person saw it this way:

There seemed to be a larger number of small vendors this year. Most of them operated out of automobile trunks and did not have a large inventory.

An observer had the feeling they were there primarily to enjoy the hamfest atmosphere. If the atmosphere included a little selling, good.

Phil Wicker, W4ACY, of Greensboro, ARRL director for the Roanoke Division, was in charge of an ARRL publicity booth. The booth featured an array of books and other publications available from ARRL.

Also at the booth was Bill Parris, K4GHR, of Charlotte, Section Communications Manager for North Carolina.

Among others helping at the booth were RARS members Paul and Audrey Browne.

A sign at the booth gave dates for the next novice and upgrading classes sponsored by RARS and Cary Radio Society. The evening classes begin September 11 at McKimmon Center on the N. C. State University campus at Raleigh. The numbers to call for information or sign-up are: Pat, 876-2686; or Charlie, 872-6555.

Paul Sims, WB4YBF, had a 10-meter net display of certificates from nets

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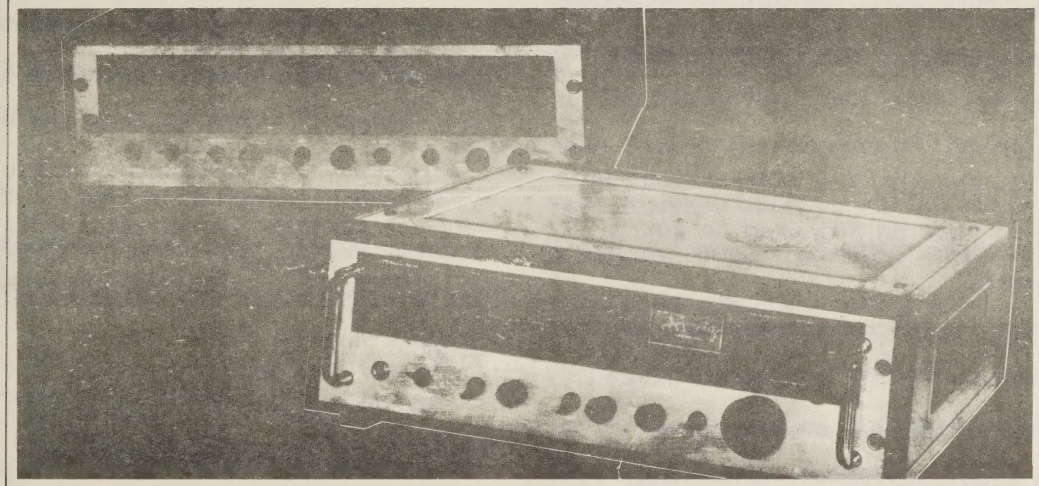

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around the nation. About 40 certificates were displayed, some of them very colorful. One of the certificates showed a color scene from the Cascade Mountains in Oregon.

The Virginia-Carolina Repeater Association also had a manned display at the ARRL booth.

Elsewhere in the hamfest, the student amateur radio club at N. C. State University in Raleigh had a poster display for their station, W4ATC.

You thought you were nervous waiting to take an FCC exam to get a license?

This episode was reported as fact.

A gentleman standing on the parking deck outside the examining room was nervously puffing a cigar. In a breather between puffs, his cigar somehow got turned around, and he put the hot end in his mouth. There was a pause, a bewildered look, and then an explosive ejection of the cigar. This was followed by a flurry of two-handed face and mouth fanning and slapping.

Whoever you are, sir, we hope you were successful in your test.

After all that!

Mike Stroupe, K4DRT, said he had often heard the question asked, "What's the difference between hams and CB'ers?" He said a picture of the FCC license examining room at the hamfest, showing a roomful of anxious people straining to pass exams for the privilege of operating on amateur bands, would say it all.

A RARS honorary life member, Tom Graham, WB4WII, attended the hamfest. Tom's present QTH is Swansboro on the coast.

He retired in March 1976 after working 43 years for Edwards and Broughton, a Raleigh publishing firm. He moved to Swansboro soon after to be near some of the best fishing in the state.

Tom Said he has missed one RARS hamfest and that was when he was in the middle of moving from Raleigh to Swansboro.

All you fishing hams, read this and weep. Tom said he lives about

300 yards from the sound and can see the ocean from his window.

Tom said when he throws a line overboard, he's after anything that bites, as long as it's a fish. He said spot, speckled trout, and flounder are among the fish he pulls in.

Tom has promised us a quarterly column for RARS News about hamming and fishing at Swansboro.

Tom checks in regularly on the JFK and Tar Heel Emergency nets, both evening nets. He does not check into the morning nets. "I sleep late," he chuckled.

After all, he is retired.

"And enjoying it," Tom said.

One of the founding fathers of RARS attended the hamfest, Dave Langley, W4YDY, former editor of RARS News. Dave is with the FAA. Several years ago, he moved from Raleigh to Oklahoma City, Oklahoma to become an instructor in an FAA school. He moved back to North Carolina about a year ago and now lives in Conover. He maintains frequent contact with members of RARS.

Dave's sister, Mrs. Phyllis Gahagan, lives in Raleigh. She is a Red Cross nurse.

Stu Meyer, W2GHK, former RARS member, was also at the hamfest. Stu, very active in DX, now lives in Vienna, Virginia, just outside Washington, D. C., and works for E. F. Johnson Company. Daughter Suzanne, WB4USX, is attending George Mason College in northern Virginia.

Stu has been DXing "more years than I care to remember." He and Paul Browne, WB4FZW, of RARS hold a regular Sunday morning schedule when they are not traveling.

Calvin Dempsey of Tarboro was at the hamfest with his flashing call sign badge. The badge has two small red lights that flash alternately, calling attention to his call sign. Calvin said he purchased the flashing device at a hamfest several years ago.

Early in the hamfest, chairman Jack Kenny announced over the PA system that electrical outlets were

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provided by the club to test purchased equipment. The outlets were well used.

The Red Cross first aider covering the hamfest was Dave Stewart of Knightdale who holds an advanced first aid certificate. He is active in numerous first aid activities. After a rest following the hamfest, he was to help cover a rock concert at Dorton Arena Sunday night.

Dave is a senior at East Wake Senior High School. He joined the Coast Guard in March for a four-year tour. Following graduation from high school, he will go to Cape May, New Jersey for recruit training. He will be 19 in July.

Walt Chambers, K4ZVK, of RARS substituted for Dave Stewart at the first aid station while Dave looked around the flea market.

Walt is a Red Cross first aider, a cardiopulmonary resuscitation (CPR) instructor, and a volunteer fireman with the Wake-New Hope Fire Department. He holds the Emergency Medical Technician (EMT) rating.

Among the out-of-town visitors at the hamfest were Mr. and Mrs. Clarence Bynum of New Bern. He is K4SXQ.

They are the parents of Mrs. Dottie Mayes of Raleigh. Dottie is director of Safety Service of the Wake County Chapter of American Red Cross. She scheduled first aid coverage for the hamfest.

Dottie came from a ham family and married a ham. Husband is Harry Mayes, WA4AUB. He works at CP&L.

Near the end of the hamfest, a young man who appeared to be a high school student came back to look at a high frequency transmitter offered by one of the out-of-town vendors. He apparently had been eyeing the transmitter for a good part of the day but couldn't decide. The vendor told him he guaranteed it to work. "If you have problems, contact me," he said and gave the boy information on how to reach him.

The boy walked away carrying the transmitter under his arm, looking pleased and happy.

Thoughts for next year:

Fashion trash bags out of plastic bags and stiff wire attached to stanchions.

It's a chore to pick up cups, napkins, and other assorted trash at the end of a hard day.

It is the club's responsibility to leave the parking deck area used for the hamfest as clean as possible. There usually aren't too many club members around to help at clean-up time.

The optimistic side of the picture is that you can easily get a full day's exercise bending over to pick up trash.

Do styrofoam cups self-destruct?

After picking up several hundred pieces of styrofoam coffee cups during clean-up time, I began to wonder if they were self-destructing cups that burst into many pieces after use. I don't believe I saw more than a dozen whole cups during the entire clean-up operation.

The only other explanation is that people have an uncontrollable desire to tear them to shreds after using them.

After the hamfest had ended and clean-up was finished, RARS president Chuck Littlewood, K4HF, stood talking with a small group of members. He passed on words of praise some out-of-town hams had for the club. "You fellows did a super job, it was a really good hamfest," the visiting hams had told Chuck.

Jack Kenny, WB4MCU, 1978 hamfest chairman, looked down at his tired feet and said, "Did you hear that?"

Had to happen department:

The editor received a call at 10:00 p.m. April 21 at home from a ham who said he had just arrived in Raleigh from West Virginia after five hours on the road. The question: When are the FCC exams on Saturday?

He had seen the incorrect date in QST, the only place the date was incorrect.

The editor told him all the FCC exams were on Sunday, that Raleigh was beautiful in the spring, and suggested Saturday was a good day to go sightseeing.

Club officers became aware a few weeks before the hamfest of the erroneous information in the magazine and began efforts to counter it. Word was passed on the nets, more flyers were sent out, members were asked to pass the word to friends.

The efforts apparently were successful. That one call was all the editor had.

One call from among the hundreds attending the hamfest isn't bad. Not bad at all.

BIG TURNOUT FOR FCC EXAMS

Pat Whetzel, WA4CLT, said 308 persons were processed through the FCC examining unit during the hamfest.

Pat was in charge of club coordination with the FCC examining team.

A spokesman for the team praised Pat for his organizational efficiency which provided highly effective assistance to the team.

Pat's crew of RARS members performed in the highest tradition of RARS service. Their help enabled the FCC team to process in the same amount of time twice as many applicants this year as they processed at the 1977 hamfest.

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ALPHABETICALLY BY LAST NAME

RARS ROSTER RALEIGH

APRIL 1978

OFFICERS

President	- Chuck Littlewood, K4HF
Vice President	- Lynn Pendleton, K4NYV
Secretary	- Jim Peeler, WA4YOM
Treasurer	- Ralph Rigdon, WB4SDU
E.C. Wake Co.	- Bert Bailey, W4FMN
N'Letter Editor	- C.T. West, WD4HSI

Call	Class	Name	Address	Home Phone	Work Phone
K4SVS	G	Lloyd D. Adams	5703 N. Sharon Dr., Raleigh	772-1622	772-5563
WA4AGN	A	Rodney V. Adams	3008 Wycliff Rd., Raleigh	782-3449	834-5271
WA4EXW	G	James Aderholt	302 N. Montreal Ct., Cary 27511	467-4536	
N4TH	E	Donald S. Alderman	3101 Julian Dr., Raleigh	968-9063	828-6211
WA4PEN	T	Edward M. Alderman	3101 Julian Dr., Raleigh	876-0340	733-7421
WB4JLM	N	Ed Alderman, Jr.		787-1406	737-2393
		Menola S. Alderman	3101 Julian Dr., Raleigh	876-0340	782-3911
WA4OTA	A	Thomas (Tom) Alexander	6800 Jean Dr., Raleigh	782-0669	828-7206
WA4NLV	A	Earle E. Arundel	7920 Hardwick Dr., Raleigh	876-9683	828-0391
WB4OWK	A	Harry Avinger	1304 Timber Dr., Garner 27529	779-2558	836-6063
		M. R. (Randy) Bachlotte, Jr.	Rt. 1, Box 549 F, Winterville, N.C.	756-7188	
W4FMN	A	K. H. (Bert) Bailey, Jr.	701 Currituck Dr., Raleigh 27609	787-1643	772-0551
K4VLI	A	John Bargamian	108 W. Aycock St., Raleigh 27608	828-4710	
WD4GWS	G	George W. Barner	7107-2B Sandy Forks Rd., Raleigh	872-5671	
W4IFX	G	James R. Bennett	Rt. 1, Box 353, Raleigh	782-3557	828-4441
WA4HLA	C	David T. Biggers	539 Banks St., Raleigh	834-3263	836-6933
		Charles Bowling	1109 Chatham Lane, Raleigh	834-5414	
WB4WIR	T	J. Sterling Brown	200 Buck Jones Rd., Apt. 4, Raleigh	851-5035	
WA4AFB	G	Alan Browne	4419 Gates Street, Raleigh	787-4299	
WB4ZSM	G	Audrey N. Browne	4419 Gates Street, Raleigh	787-4299	782-3168
WB4PZW	A	Paul R. Browne	4419 Gates Street, Raleigh	787-4299	556-4031
		Baxter C. Carr	1004 Turner Avenue, Wilson		
AA4BA	E	Charles H. Casey	206 Queen Guenever Tr., Rt. 2, Garner	772-1428	
WD4MKR	G	B. L. Caudill	508 Emerson Dr., Raleigh, 27609	787-5936	836-3331
K4ZVK	G	Walter (Walt) Chambers	4301 James Rd., Raleigh	876-6306	828-4441
W4KFC	K	Victor C. Clark	12927 Popes Head Rd., Clifn. Va. 22024		
N4VF	F	George (Al) Clement, Jr.	2913 Rannock Ct., Raleigh	876-3328	836-5345
WD4MYM	N	J. W. Cockrell	Box 383, Knightdale 27545	266-2949	832-2934
W4YZX	A	G. C. Cobb	6120 Winthrop Dr., Raleigh	787-5900	549-8481
WD4LXZ	N	Tim Cole	Apt. 5, 3828 Colby Dr., Raleigh	872-1445	
WB4DBB	A	Herman Cone, III	Rt. 4, Box 300, Hillsborough, N.C.	732-8729	683-1597
WB5YNC	G	Joe Conely	1116 Pecan, Copperas Cove, Texas		
WD4NPD	N	Richard B. Conely	3521 Brook Dr., Raleigh	782-2425	
WB4SZZ	G	Ham Cooper	1313 Brownstraw Dr., Raleigh	755-0605	834-0766
K4MC	E	Robert (Bob) Corns	1619 Oberlin Road, Raleigh	828-6005	834-4991
WA4GBE	T	Harold Crumley	3720 Marlin Ct., Raleigh	876-0587	876-0587
WD4ISO	N	Raymond Dement	Rt. 5, Zebulon 27597	266-3671	
K8GTI	T	Jim Depoy	726 N. Harrison Ave., Cary 27511	467-2945	828-4441
WA4YYP	N	Clyde A. Douglas	604 Colchester Dr., Knightdale 27545	266-3671	
WB4YIQ	N	David Dropkin	3111 Morningside Dr., Raleigh	781-6046	
WD4AAU	N	Barbara Drye	3424 Cheyenne Rd., Raleigh	876-2039	
WD4COE	G	Owen R. Edwards	Rt. 3, Box 290, Louisburg, N.C. 27549	496-5227	
WA9NEW/1	G	Bruce A. Eggers	14 Judith Road, Chelmsford, Mass.		
WA4DLF	E	Micheal L. Everette	2921 Wycliff Rd., Raleigh	787-9127	733-4826
K4PSP	G	Michael (Mike) Falzone	13 Friendly Dr., Raleigh	834-6581	733-5211
WB4EOV	G	William R. Feehan	4412 Yadkin Dr., Raleigh 27609	781-6575	733-5574
		Ann Fiscus	Rt. 4, Box 401-C, Oxford 27565	693-5309	
WA4JCS	A	Walter E. Fiscus, Jr.	Rt. 4, Box 401-C, Oxford 27565	693-5309	
WA4ALT	G	Heinrich Foltz	9205 Doncaster Ct., Raleigh		
WA4YQN	A	Mark S. Gilley	2593 New Hope Church Rd., Raleigh	876-5505	872-3020
WB4ZVZ	T	James C. Grady	Box 158, Kenly 27542	284-3931	284-4153
WB4WII	G	Tom Graham	Rt.1, Vacation Village, Swansboro 28584	326-3151	
WA4MBP	G	Charles E. Gustafson	3102 Devonshire Dr., Raleigh	787-5543	
WA4ZLU	G	Chet Gwyer	4913 Cindy Dr., Raleigh	779-2340	
K4THS	A	John (Jack) C. Hanner	407 Transylvania Dr., Raleigh 27609	787-1821	834-8443
WD4MBD	N	Joe Henderson	2221 Colony Forest Place, Raleigh 27607	787-6624	836-6201
WA4PLH	N	Donald R. Heppner	3114 Westbury Dr., Raleigh	782-5078	836-5394
W4JG	A	Jesse W. P. Hodges	310 Pogue Street, Raleigh	833-0229	
WA4HWU	G	Pete Holland	4225 Rowan Street, Raleigh	787-2171	
WB4LGE	A	Kiernan (Doc) Holliday	609-A Hibbard Dr., Chapel Hill 27514		
		H. Paul Holzworth	2702-C Conifer Dr., Raleigh	832-8252	
WA4ENZ	A	Joseph Homovec	4135 Rockingham, Raleigh 27609	787-2150	872-3020
N4EX	E	Rich Homolya	3620 Charterhouse Dr., Raleigh	781-2133	872-3020
WB4YYT	G	David Humphrey	111 Neuse Dr., Rt. 1, Knightdale 27545	266-9276	549-6337
DJ7UZ	E	Guenter Immeyer	1009 F. Fox Hunt Lane, Raleigh	876-4485	836-5641
WD4GNW	G	Richard Jackson	3347 Alamance Dr., Raleigh 27609	787-1160	
W4JUG	A	James T. Johnson	815 Coleman Street, Raleigh	833-9189	
WA4VSL	G	Glenn Lampley	2831 Mayview Rd., Raleigh	836-6958	
W4YDY	E	David W. Langley	RFD 1, Box 571-7, Conover 28613		
WB4YYY	G	James W. Langley	Rt. 6, Box 252-A, Raleigh	787-8029	
WA4HYJ	G	Norman Lauterette	4824 Ponderosa Dr., Anandale, Va. 22003	978-8233	
WA4BOV	A	James M. Leatherwood	4501 Leaf Court, Raleigh	787-5569	737-2773
WA4TCR	A	James W. Lehnberg	1011 Burke St., No. 16, Durham, N.C.	489-9607	684-6367
K4HF	E	Chas. R. (Chuck) Littlewood	2005 Quail Ridge Rd., Raleigh	872-6555	828-4441
WD4CHW	T	Charles J. Lord	1011-A Village Greenway, Cary 27511	469-0059	
		Russell O. Lyday, Jr.	3506 Keats Place, Raleigh	787-4137	541-6957
K4KKY	G	A. L. (Al) Macklin	11720 Man O War Trail, Raleigh 27612	787-2763	787-1461
WD4MUM	N	Robert E. Marsh	5320 Edgewood Rd., Raleigh	782-0538	836-5767
WB4JCT	A	Dick B. Martin	RFD 4, Box 159-B, Wake Forest 27587	556-1315	833-1603
		John H. Matteson	4508 Latimer Rd., Raleigh 27609	787-8344	755-7620
		Mike Matzinger	3413 Doyle Rd., Raleigh	787-4720	
K4TU	E	William G. McDowell	3709 Huntleigh Dr., Raleigh	876-2686	733-7834
WA4GXC	A	Reed McNeely	805 Tyrrell Rd., Raleigh	781-0330	
WA4WSF	G	Henry M. Middleton	2208 Creston Road, Raleigh	833-8636	737-3231
WA4SAG	G	Paul C. Mogensen	Rt. 1, Neuse River Estate, Knightdale	266-9431	733-4490
W4MGR	G	T. C. (Tom) Moody	4102 Laurel Ridge Rd., Raleigh	787-1121	733-3901
WA4ODM	G	Bruce Morgan	204 North Street, Zebulon 27597	269-9100	
W4SYG	A	J. W. Morris	Box C, Nashville, N. C.		
AA4VK	E	M. R. (Ron) Oates	705 Currituck Dr., Raleigh 27609	787-3640	
WD4NLX	N	Ference Pankotay	4025 Camelot Dr., Raleigh	787-5893	828-4441
WB4UQD	T	Brenda T. Patterson	P. O. Box F-26285, Raleigh	836-6523	
WA4PDP	A	Edwin H. Patterson	106 Pine Dr., Smithfield, N. C.	934-0905	
WB4BKE	A	John W. Patterson	P. O. Box F-26285, Raleigh		
		Howard H. Pearson, III	209 Bertie Drive, Raleigh	834-1451	834-4991
WA4YOM	G	R. Jim Peeler	3513 Leonard Street, Raleigh	787-6036	737-2873
K4NYV	E	N. Lynn Pendleton	961 Wimbleton Dr., Raleigh	787-2039	872-3020
		Alan Plaks	1205 Country Ridge Dr., Raleigh	876-4192	
WB4EFQ	T	Norman Plaks	1205 Country Ridge Dr., Raleigh	876-4192	541-2733
WB4HXM	N	Joseph A. Powell	516A Carolina Avenue, Raleigh	851-6895	755-6070
WA4LYN	G	Rick Prescott	809 Macon Place, Raleigh	787-1846	
WB4CCA	A	Bill Radford	3844 March Creek Road, Raleigh	872-2000	836-5670
W4VNG	A	Howard Reinhart	5004 Picardy Place, Raleigh	787-1926	
W4BRT	A	Ross H. Reynolds	1420 Park Drive, Raleigh	829-0634	
WA4EKJ	T	George C. Richards	6041 Bellow Street, Raleigh	782-3058	872-3020
WB4QQM	A	Brian C. Richardson			828-4441
WB4SDU	T	Ralph L. Rigdon	2449 Bertie Dr., Raleigh	834-3802	755-6660
WD4GXO	A	Richard Rohrer	3217 Longbow Dr., Raleigh 27604	872-5379	
WD4AMQ	G	David F. Routh	4107 Rose Lake Dr., Greensboro 27407	299-6370	
WA4JJW	A	K. E. Rudder	Box 389, Wendell 27591	365-6194	836-6304
W4MJN	A	Morton R. Shaw	5509 Lambshire Dr., Raleigh	787-0916	737-3231
W4WCG	A	Bobby E. Sherrill	4531 Revere Dr., Raleigh	787-0857	755-4366
WA4SNC	G	Wayne Shelvin	217-C. Millbrook Dr., Raleigh	781-4144	755-4420
WB4YBF	A	Paul R. Sims	4814 Greenbrier Rd., Raleigh	772-8097	836-6958
WA4BID	A	Ronald H. Smith	4137 Chapel Hill Rd. #14, Durham 27707	489-5894	683-1597
W4TZU	A	Sherman Starnes	Rt. 1, Box 99, Franklinton 27525	494-5169	828-4441
		Charles Stegall	207 Dartmouth Rd., Raleigh	787-5741	832-8311
WA4JZX	A	Joseph B. Stevens	704 W. Main Street, Elizabeth City 27909	338-3333	
WB4ZKG	G	Art Strateneyer	Rt. 7, Box 238-A, Raleigh	876-1968	
K4DRT	G	Mike Stroupe	4716 Stonehill St., Raleigh	787-6729	549-5415
		Roger I. Sturtevant	5104 New Bern Ave., Raleigh	755-0813	833-4645
WA4DFP	T	Mark W. Sumner	Rt. 1, Youngsville 27596		
WB4DCM	A	Charles A. Swindell	Rt. 5, Box 422, Zebulon 27597	269-7194	733-2032
WB4MKY	T	Paul H. Thoburn	6802 Phillip Court, Raleigh	851-1573	781-4550
K4SAN	A	David E. Thomas	212 Buck Jones Rd., Raleigh	851-8192	549-5152
WB4HMM	A	Del Thomas	1151 S. W. 17th Street, Florida 33432		
K4YZ	E	Jack L. Walters	5337 Ivy Lane, Raleigh	876-6450	782-4114
WB2KTC	A	Michael Warner	1037-B Hunting Ridge Rd., Raleigh	872-6909	828-4441
WB4PHQ	A	Allen H. Weber	6609 King Lawrence Rd., Raleigh	851-0334	737-2212
WB4TCR	A	Carroll G. Welker	800 Hemmingway Dr., Raleigh	876-4850	872-2880
WD4HSI	G	C. T. West	1611 Craig Street, Raleigh	834-5420	833-3014
WA4CLT	A	Pat Whatzel	1025 Indian Trail, Raleigh	876-6055	836-3275
W4ACY	A	L. Phil Wicker	4821 Hill Top Rd, Greensboro 27407	299-9187	
WA4NMU	A	Harry M. Wiggs	1625 Sunrise Ave., Raleigh	829-0147	
WB4PKS	G	Jack D. Williams	1000 Winona Rd., Raleigh	872-7329	549-6340
WB4HAL	A	James M. Wilson	828 Greenwich Street, Raleigh	828-3663	755-4464
WB4SJE	G	Raymond L. Woodard	2107 Michael Lane, Smithfield	934-5862	
		Ellie Workman	3625 Brentwood Rd., Raleigh	876-2204	
WA4ZZN	A	Robert C. Workman	3625 Brentwood Rd., Raleigh	876-2204	834-1544
K4NYS	A	Chuck Wright	5310 Woodside Rd., Raleigh	851-7218	

STOP THE PRESSES - Last Minute Additions

		Donnie O. Atkinson	805 Buckle Ct., Raleigh	782-3396	733-6640
		Bob W. Bailey	3940 Haithcock Rd., Raleigh	872-2112	733-2285
WD4PJV	N	Charles Clark	4805 Lakemont Dr., Raleigh	782-9528	779-2900
WD4BBQ	G	Warren Davis	1992A Spring Dr., Garner 27529	772-3739	782-9698
		Mitchell Moore	200 Windfield Ct., Raleigh	781-0417	733-0417
WD4NWO	N	Rollin M. Ransom	5017 Devonwood Ct., Raleigh	876-4299	832-5027
K4IXW	G	Carl H. Rice	1401-14 Hardimont Dr., Raleigh	876-3294	836-7124
		Sherwood Scott	5001 Kaplan Dr., Raleigh	851-2837	
WB4QBE	A	Joe Tabor	Rt. 1, Box 302-A, Youngsville, 27596	556-3357	828-5337
	N	C. David Whitehurst	1505 Brooks Ave., Raleigh	789-5951	
WB4ZFG	N	George H. Wilson	305 Monticello Dr., Wilson 27893		291-4860

MINUTES OF MEETING, April 5, 1978

The regular monthly meeting of the Raleigh Amateur Radio Society (RARS) was held in the West Community Room at Crabtree Valley Shopping Mall on April 5, 1978. The meeting was called to order by President Chuck Littlewood, K4HF. Members and guests were welcomed. Eighty-three members and guests were present.

A motion was made and passed to allocate $180 to cover rental and handling charges on tables for use at the 1978 Hamfest.

President Littlewood, K4HF, urged persons filing 610 forms to make every effort to fill out the forms completely and correctly and to be sure to attach a copy of their current license.

Pat Whetzel, WA4CLT, reported that both the novice and upgrade classes were successful. Twenty-two of the forty-two students in the novice class have passed their code test and are waiting for the written examinations. The upgrade class has an enrollment of approximately forty. Plans are underway to offer both novice and upgrade classes next fall.

President Littlewood, K4HF, made several announcements concerning the RARS Hamfest which is scheduled for April 23, 1978. The QST notice that states that FCC exams will be given on April 22, 1978 is incorrect. FCC exams will be given on Sunday, April 23, 1978. President Littlewood, K4HF, also reported on some new FCC items including a modified call sign system and new regulations on amplifiers. See Chuck's Corner in this issue for further information.

Bob Corns, K4MC, presented a program on traffic handling. In addition to general comments, Bob worked through the details of preparing and handling messages. The program was most informative, especially to those of us who are new to traffic handling.

Charles Clark, WD4PJV, won the door prize for the evening which was 100 feet of COAX. Charles Casey, AA4BA, is the guest writer for the month.

The meeting was adjourned following coffee and doughnuts.

Jim Peeler, WA4YOM
Secretary of RARS

CHECKING WITH CHUCK

by

Chuck Littlewood, K4HF
President of RARS

The Sixth Annual RARS Hamfest is history. To Jack Kenny, WB4MCU, and all his helpers, congratulations and thanks for the great job.

A Charlotte newspaper had a writeup on the Metrolina Hamfest/ Convention which included a picture and story of a visitor, RARS member Wayne Shevlin, WA4SNC.

WD4GWW upgraded recently to general class and W4CQJ to extra class. WD4BJP is now AA4BA.

Tickets and FCC tests at Charlotte were 8000 and 700 plus, respectively, according to HR Report. Vendor responses were mixed but generally favorable.

ARRL Bulletin 702 announced the 29th annual Armed Forces Day to be observed Saturday, May 20, 1978.

Military stations will make crossband military-to-amateur contacts from 1300Z May 20 through 0245Z May 21. Secretary of Defense receiving competition will begin at 0300Z May 21 on CW at 25wpm, followed

From HR Report: FCC'S AMATEUR CALLSIGN structure has been completely overhauled and a new policy, effective today(March 24), has just been released. No special callsigns or special events callsigns will be issued, and licenses for personal secondary stations will no longer be renewed. Call areas will remain and will determine the callsign prefix issued to an address in that area, but an individual can retain his callsign indefinitely if he wishes even if his permanent location of his station changes call area.

2X1 And Nx3 Callsigns will soon be heard under the new policy, which devides callsigns into four"groups." Group A includes 1X2, 2X1, and 2X2 (AA-AL prefixes), available to Extras only. Group B includes 2X2s other than AA-AL, and will be available to Advanced Class license holders. Grpup C is 1X3 callsigns, available to Generals and Technicians, while group D is 2X3s for Novices. In group A 2X1s will be the first calls issued, while NX3s will be the initial Group C issue. Also changed will be callsigns for many U.S. islands.

The New Callsign Assignment Plan will go into effect in steps, the first-Phase 1- beginning today. Under Phase 1 any newly licensed Amateur will receive a callsign determined by the new system, and any present licensee who upgrades may, if he wishes, receive a new callsign appropriate to his new status. For example, a newly licensed Amateur who starts out as a Genersl will receive an NX3 callsign, while a Nonvice with a 2X3 who to Advanced can trade it for a 2X2 if he wishes. Requests are made by specifying on line 13A of Form 610, "Please assign a Group-callsign" when filing the application. Extras are also eligible in Phase 1, of course, and those who've received 2X2 callsigns can request a change to a 2X1 before October 1.

Future Phases will permit Advanced and later General and Technicians to change their callsigns as well.

by 60 wpm RTTY at 0335Z. Stations and frequencies: WAR - 4030,6997.5 and14405 kHz; AIR - 7315 and 13997.5 kHz; NPG - 4005, 6989 and 14375 kHz CW - 4010, 7347.5 and 13922.5 kHz RTTY.

Crossband Military Freqs (kHz)

Station	CW	SSB
NMH	7301 20954	14470
WAR	4001.5 6997.5	4020 20994
NAV		7370
AIR	7315 13997.5	7305
NPG	4005 4010 6989	4001.5 14389

Amateurs are reminded to use caution in keeping their own transmissions within the authorized amateur bands.

Corns Corner

NETS NEED TRAFFIC

by

Bob Corns, K4MC

Traffic nets, like all businesses, must have merchandise to stay in business. The nets that die early are those that have nothing to do. So, what is needed is a regular supply of traffic. Both Crabtree and North Hills help supply traffic for our nets, but this is not enough.

How about trying one of the following:

-- Send a message to an old friend who has moved and ask how he is doing.

-- If you have a ham friend who has moved, ask for a sked to hear the details.

-- Send your parents or favorite aunt a birthday greeting.

-- Send someone a message regarding that QSL you need or for a particularly good QSO.

I'm sure you can think of dozens of other reasons with no effort at all. If each member of RARS would send just one message per month, it would generate a traffic count of 400 to 800 messages (each message is handled by several operators).

It's easy. Just check in on one of the RARS nets and start your message on its way.

TODAY!

TEN METERS
THE GENTLEMEN'S BAND

by

Charlie Casey, AA4BA

Being fairly new to amateur radio, I have worked all of the HF bands and decided on my favorite - 10 meters.

I know a lot of people don't think the band is good for anything. This may be partially true during the absolute lows of the sunspot cycles, but during the medium and high sunspot activity, it is a different story.

During medium sunspot activity, 10 meters is on the fringe of the MUF and offers suprising DX and almost "FM-like" reception. Generally speaking, the band is static free, except for some splatter off 11 meters sometimes. The band may typically open at sunrise and close a couple of hours after sunset.

As far as equipment goes, I feel that any of the commercially-built tranceivers will more than suffice. As far as antennas go, one cannot expect much from a piece of wire and a tuner. A rotatable resonant antenna such as a three-element yagi or two-element quad will give outstanding performance. Another good thing about these antennas is that they are inexpensive to build, small, light, and can be turned easily with a TV antenna rotator.

The elements on a yagi-type are just over 16 feet long. For a quad, the sides are about eight and a half feet each. A dipole also works fairly well. Eleven meter antennas are very popular, both vertical and beam types. A friend of mine, Chuck North, WB4WXA, has worked Japan, Australia, Africa, and Europe repeatedly with a quarter-wave CB vertical lying on his roof.

As you can see, 10 meters is a band which can offer apartment dwellers and others cramped for space good DX without monstrous antennas.

A typical day of 10 meter operation would be condensed into the following:

Morning - Asia, Europe, Africa.

Mid-day - Europe, Africa, South America, Canada, USA.

Afternoon - South America, Canada, Hawaii, Alaska, USA.

Late evening - west coast USA, South America, Canada, South Pacific, Japan.

Signal strength of these stations can range from "in the mud" to the point of overloading your receiver.

Another interesting thing that happens on 10 meters is a phenomenon known as sporatic "E" skip. This is caused by relatively dense ionized clouds forming in the "E" layer of the ionosphere. This condition can occur at any time but is most prevalent during the summer and early winter. The range of communications during this type of skip is from 250 miles to sometimes 2500 miles with "S" meter readings of 40 over S-9 for the closer stations not being uncommon. This condition can last from a few minutes up to several hours and can cease as quickly as it starts. Many a ham has been caught "talking to himself" from the the band dropping out suddenly.

Another form of communications on 10 meters is backscatter. This can be accomplished by two people who are relatively close together (100 - 1000 miles) and in the same skip zone, aiming their antennas in the direction the band is open. Signals are relatively weak and fluttery but quite copyable. This is a very reliable means of communications with hardly any QSB.

It seems to me that, all in all, people on 10 meters are more friendly, and there is some sort of mutual feeling that makes 10 meters seem like the "gentlemen's band." I have never heard any foul language, deliberate QRM-ing, or weirdo's. QSL return percentage is also higher than on the other bands.

There is a great bunch of guys in the Raleigh who operate 10 meters. Anyone interested is very much welcome to check into the RARS 10 meter net on 28.540 mHz and meet some of them. This is generally a "ragchew" net. Any and all are welcome.

EDITOR'S COMMENT

Charlie Casey, AA4BA, guest editor, did a fine job writing a column.

Charlie not only had his

column in the mail a few days after he was a door prize "winner," he wrote with a good feel for something he likes.

"I am no writer, but it was fun trying," Charlie said in a note accompanying his column.

When you write about something you like, the words take care of themselves. It's quite apparent Charlie likes 10 meters.

Thanks, Charlie, for a good column.

Other guest editors take note.

HERE AND THERE

Lou Alexander, K4BYN, is using a new Wilson four-element 20-meter beam on a 70-foot tower now.

Jack Kenny is still getting maintenance calls for help on the RARS clock project.

So many fellows in the area are joining the MARS program, we wonder if there is enough traffic to go around.

RARS is looking forward to a new finance/budget system, thanks to much effort by Bill Feehan, WB4EOV.

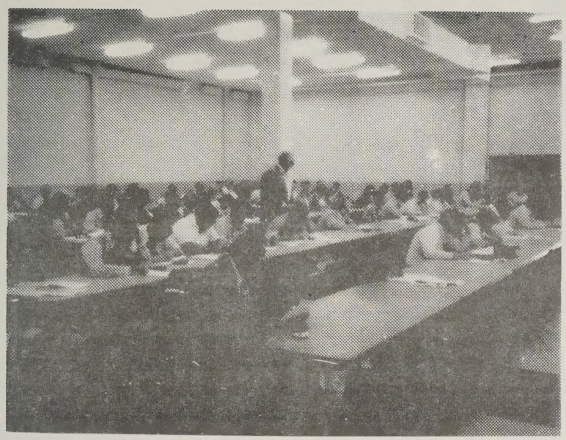
Charlie Swindell, WB4DCM, manages to check in on the RARS net and get to our meetings with son Clark regularly, a good example for us all.

Chuck, K4HF

Jim Crockrell's QSL card.

Jim is a retired Southern Railway engineer. He is shown here at the throttle of a Southern locomotive.

Jim lives at Knightdale.



AMATEUR RADIO LICENSE APPLICANTS TAKE A CODE TEST DURING FCC EXAMS AT THE RARS HAMFEST APRIL 23.

Note: Any similarity to real persons or amateur radio calls is purely coincidental.

"WB4SZZ, this is WB4MCU, you around, Ham?"

"No, I'm a square bologna. WB4MCU from WB4SZZ."

"Don't be a smart donkey, or I'll give you an RF labotomy. Do you happen to have a 34PZ2930 zener thermistor quadra multi cathoded NPN in your junk box?"

"Couple, three, Jack. Bought 'em in Shelby from some yokel that thought they were cascaded rectifier pentoded oscillating PNP's. Whatcha need 'em for."

"Yeah, some of these peddlers don't know their input from their output. Been thinking about building this scanner that would monitor three to four hundred channels simultaneously. Be great for the ham that wants to monitor all bands. We can probably sell a mess of them at the hamfest. Got the boards all laid out, but need that 34PZ2930 before I can complete the prototype."

"Sounds great, Jack. Might be interested in one of those gadgets myself. Will it cover WWV?"

"Yeah. CHU, too. Only one problem though."

"What's that, Jack?"

"Well, rather than scanning automatically, the operator will have to switch to each channel."

"What?"

"Yeah. It's switchable over three or four hundred frequencies."

"That's a lot of switches isn't it?"

"Yeah, but look at the ads. The trend is towards lot's of knobs and switches."

"Right. But, if it's switchable, why do you need the 34PZ2930. Couldn't you use that in place of all those switches?"

"Yeah. But, the voltage isn't right for the pilot light and the 34PZ2930 is just the right resistance for the drop needed. Smart, eh?"

"Right on. Good thinking. You going to be home? I'll drop it by."

"Yeah. We'll be here. WB4MCU clear."

"Peace and love. WB4SZZ."

RARS
CALENDAR OF EVENTS

May 17
RARS Advisory Board meeting.

May 19
Public relations night,
Crabtree Valley Mall.

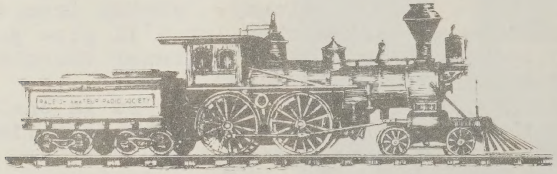
May 20, 21
Durham hamfest,
South Hills Mall.

June 7
Regular RARS meeting.

June 24, 25
ARRL annual field day.

RARS meets each first Wednesday at 7:30 p.m. in the West Community Room of Crabtree Valley Mall.

RARS 2 METER FM NET - Meets Every Night Monday Thru Sunday at 8:00 p.m.
146.04/146.64 Repeater
RARS 10 METER SSB NET - Monday, Tuesday, Thursday, Friday Nights
7:00 p.m. - 28.540 MHz



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